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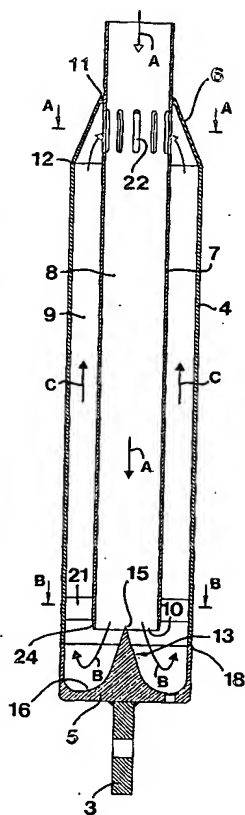
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(54) Title: A METHOD AND A DEVICE FOR SLOWING DOWN AND DISINTEGRATING A PLUG OF LIQUID PLUNGING FORWARD IN A DUCT



(57) Abstract: In a first aspect the invention relates to a device for slowing down and disintegrating a plug of liquid plunging forward in a duct. The device comprises a container (1) having a bottom (5) and an opposite inlet (2), which is connectable to the duct and through which the plug of liquid can be directed into a central, axial trajectory (A) in the container. Inside the container, an inner tube (7), being open towards the bottom, is arranged, which tube separates an inner hollow space (8) from an outer, cross section-wise ring-shaped hollow space (9), a distributor body (13) being arranged in the trajectory of the entering plug of liquid with the purpose of splitting and disintegrating the plug of liquid as well as throwing out the disintegrated constituent parts of liquid in the direction outwards from the centre. The bottom (5) comprises a concavely curved guide surface (16) with the purpose of diverting the liquid from one of the hollow spaces to the other in order to, in this way, reverse the direction of motion of the liquid. In a second aspect the invention relates also to a method of slowing down and disintegrating a plug of liquid plunging forward in a duct.



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